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[Appl. No. : 08/841,847
Filed : May 5, 1997]

No. 5,639,443, which is a continuation of U.S. Serial No. 08/099,951 filed July 30, 1993, now abandoned.--

[IN THE CLAIMS:

Please cancel all pending claims and insert instead the following new claims 62-136:

62. A microbubble preparation comprising a aqueous medium having dispersed therein a plurality of osmotically stabilized microbubbles, said microbubbles comprising:

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a generally spherical microbubble membrane containing at least one gas osmotic agent and at least one modifier gas wherein said gas osmotic agent is selected from the group consisting of perfluoropentane, perfluorocyclopentane, perfluoromethylcyclopentane, perfluorodimethylcyclobutane, perfluorohexane, perfluorocyclohexane, perfluoroheptane, perfluorocycloheptane, perfluoromethylcyclohexane, perfluorodimethylcyclopentane, perfluorotrimethylcyclobutane, perfluorotriethylamine and combinations thereof.

63. The microbubble preparation of claim 62 wherein said modifier gas is a fluorocarbon gas.

64. The microbubble preparation of claim 63 wherein said fluorocarbon modifier gas is selected from the group comprising perfluoropropane, perfluorobutane, perfluorocyclobutane, perfluoromethylcyclobutane, perfluoropentane and perfluorocyclopentane.

65. The microbubble preparation of claim 62 wherein said modifier gas is a nonfluorocarbon gas.